

ADVANTAGES

- Capability of wide clear span
- Design flexibility
- Rapid fabrication & erection
- Easy maintenance due to plain element's surface
- Extended durability
- Capability in future extension
- Easy assembly and reassembly of the structural elements
- Wide variety of roofing and wall panelling
- Low manufacturing scrap cost
- Pleasant Aesthetic result
- Excellent quality in manufacturing & construction



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Dealer

- STEEL BUILDINGS
- CRANE BRIDGES
- DOCK LEVELERS
- DOCK SHELTERS

DIAS BUILDING SYSTEM

STEEL BUILDINGS OF TAPERED BUILT – UP & WELDED SECTIONS

- Unlimited capabilities
- Cost effective solutions
- High technology
- Flawless aesthetics

CREATING WITH STEEL...

The "DIAS" system steel buildings are constructed by DS STEEL SA according to the client's desire and designed, based on the international standards and codes.

The optimum section's choice for the most effective solution in fabrication is a result of our enhanced experience in the field and the use of high information technology in design as well as in fabrication and quality control process.

The DIAS buildings are design according to the standards:

EuroCode 3, DIN and Greek Antiseismic Code 2000 .

The full structural analysis package is submitted to the client for each study.

The DIAS buildings have proven over time to satisfy a wide range of structural and aesthetic design requirements. The flexibility allows DIAS buildings to fulfill an almost unlimited range of building configuration, custom design, requirement and application.

The assembly and erection of building is straight forward and rapid due to the pre-fabricated steel elements.

They can easily be carried and reassembled in case of any change in the use.

The Quality Control system ISO 9001 is carried out from the beginning until the completion of the project.

The required insurance coverage is provided by a well established insurance firm.



DIAS BUILDING SYSTEM

The primary structural elements can either be:

- Pinned based or fully fixed made of tapered built-up sections of high performance steel grade.
- Cost effective & lighter steel frames with clear span capability up to 60m.
- Surface protection of all profiles and plates is achieved by sandblasting cleaning according to the Swedish specifications SIS – SA 2 ½ -3. More-over anticorrosion protection is applied with primers and paints according to the relative standards & codes.
- The members commonly used for the side walls wind bracing are circular hollow sections and for the roof bracing are dipgalvanized solid smooth bars $\Phi 16 - \Phi 24$.

Optional

- Industrial doors
- Personnel Doors – Glass Panels
- Roof & Wall Ventilation
- Loading Dock Shelters
- Drawbridge Dock Levelers hydraulic or mechanical
- Crane Bridges
- Special constructions



Roofing and Wall Paneling

Roofing and wall paneling offers variety of choices, including the following:

- Sheet metal of different gauge and color
- Polyurethane and glass wool panels
- Composite of sheet metal and glass wool
- Translucent roof lights made of polyester or polycarbonic fiber
- Various special accessories
- Roof and wall finishes



Hot dipgalvanized cold rolled profiles from S350GD 5350GD steel quality are used for roof purlins and perimeter wall cladding rails.

Frame types	Building types	Building lenght	Building width	Building height	Bay spacing	Roof inclination
D1	Buildings with double pitch and clear span	No constrain	8-60 m	4-24 m	4-12 m	≥4%
D2	Multi span buildings with double pitch and one interior column	No constrain	16-80 m	3-25 m	5-12 m	≥2%
D3	Multi span buildings with double pitch two interior columns	No constrain	24-120 m	3-25 m	5-12 m	≥2%
HD	Buildings mono pitch and clear span	No constrain	6-24 m	3-25 m	5-12 m	≥2%
LD (RD)	Lean-To buildings at roof or lower level	No constrain	4-24 m	3-25 m	5-12 m	≥2%
ED	Cantilevers at roof or lower level	No constrain	Up to 8 m	/	5-12 m	≥2%

The above mentioned portal frame types are the most commonly used. The DIAS system buildings (length – width – height) can be adopted to the requirements of any certain application. The bay spacing and the roof inclination are chosen regarding to the building use and loads.